6AT8-A

Medium-Mu Triode—Sharp-Cutoff Pentode

9-PIN MINIATURE TYPE

With Heater Having Controlled Warm-Up Time

The 6AT8-A is the same as the 6X8 except for the following items:

Electrical:

Heater, for Unipotential Cathode:			←
Voltage (AC or DC)	6.3	volts	
Current	0.45 ± 6%	amp	
Warm-up time (Average)	11	sec	

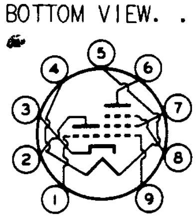
Direct Interelectrode Capacitances:

	Without External Shield	*With External Shield*▲		
Triode Unit:				
Grid to plate	1.5	1.5	µµf	
Grid to cathode and heater	2	2.4	µµf	
Plate to cathode and heater	0.5	1	µµf	
Pentode Unit:				←
Grid No.1 to plate	0.06 max.	0.03 max.	µµf	
Grid No.1 to cathode, grid No.3, grid No.2, and heater	4.6	4.8	µµf	
Plate to cathode, grid No.3, grid No.2, and heater	0.9	1.6	µµf	
Pentode grid No.1 to triode plate	0.05 max.	0.04 max.	µµf	
Pentode plate to triode plate	0.05 max.	0.008 max.	µµf	
Heater to cathode	6	6●	µµf	

Mechanical:

Basing Designation for BOTTOM VIEW 9DW

Pin 1 – Triode Grid
Pin 2 – Triode Plate
Pin 3 – Cathode
Pin 4 – Heater
Pin 5 – Heater
Pin 6 – Pentode Plate



Pin 7 – Pentode Grid No.2
Pin 8 – Pentode Grid No.3
Pin 9 – Pentode Grid No.1

▲ With external shield JEDEC No.315 connected to cathode except as noted.
● With external shield JEDEC No.315 connected to pentode plate.

← Indicates a change.